

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB2004/004870

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01D25/21 B01D25/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/057344 A (KOSKELA JUKKA ; LAROX OYJ (FI); SINKKO JARKKO (FI)) 17 July 2003 (2003-07-17) abstract; figures 1-3 page 5, line 30 - page 6, line 2 page 9, line 4 - line 14	1,5,6
X	GB 1 307 853 A (MOSELEY SONS LTD DAVID) 21 February 1973 (1973-02-21)	1,2
Y	page 3, lines 9-25; figures 7-9	3,4
Y	GB 1 211 906 A (JOHNSON J.A.) 11 November 1970 (1970-11-11) page 1, line 94 - page 2, line 9	3,4
X	DE 39 43 259 A (RITTERSHAUS & BLECHER GMBH) 4 July 1991 (1991-07-04) abstract; figures 1-8	1
-/-		

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

17 January 2005

Date of mailing of the international search report

25/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Sembritzki, T

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004870

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 754 758 A (HUBERT BERNARD LOUIS FELICIEN) 24 April 1998 (1998-04-24) abstract; figures 1-12	1
X	PATENT ABSTRACTS OF JAPAN vol. 002, no. 151 (M-043), 18 December 1978 (1978-12-18) & JP 53 119473 A (MITSUBISHI HEAVY IND LTD), 18 October 1978 (1978-10-18) abstract	1
A	GB 2 233 578 A (EDWARDS & JONES) 16 January 1991 (1991-01-16) the whole document	

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004870

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03057344	A	17-07-2003	FI 20020023 A WO 03057344 A1	09-07-2003 17-07-2003
GB 1307853	A	21-02-1973	DE 2034123 A1	18-02-1971
GB 1211906	A	11-11-1970	NONE	
DE 3943259	A	04-07-1991	DE 3943259 A1 DE 59006836 D1 EP 0434942 A1 US 5100548 A	04-07-1991 22-09-1994 03-07-1991 31-03-1992
FR 2754758	A	24-04-1998	FR 2754758 A1 AU 4872097 A BR 9712335 A CA 2268798 A1 CN 1237114 A CZ 9901381 A3 EP 0946244 A1 WO 9817367 A1 HU 0000241 A2 JP 2001502598 T PL 332829 A1 TR 9901481 T2	24-04-1998 15-05-1998 25-01-2000 30-04-1998 01-12-1999 17-11-1999 06-10-1999 30-04-1998 28-05-2000 27-02-2001 11-10-1999 21-09-1999
JP 53119473	A	18-10-1978	JP 1059006 C JP 55047927 B	25-08-1981 03-12-1980
GB 2233578	A	16-01-1991	NONE	